

# KY 196A KY 196B & KY 197A

Bendix/King  
COMM Transceivers



Avionic Service





# KY196A/B & KY197A

*Equipped with backlighting and pilot-friendly controls, the Bendix/King Silver Crown Plus KY 196A, KY 196B and KY 197A Communications Transceivers offer the best combination of pilot-friendly features and transmitter power of any available panel-mounted COMMs. (Shown actual size)*



*Offering outstanding ergonomics, our entire line of Silver Crown Plus avionics features more extensive control backlighting and larger, sturdier knobs for easier use.*

## The Coverage, The Features

For component avionics, you can't make a better choice than our Silver Crown Plus COMM transceivers, the KY196A, KY196B and KY197A. The 28-volt KY 196A delivers 16 watts minimum transmit output power, supporting a frequency range from 118.00MHz to 136.975MHz. Its 14-volt counterpart, the 10-watt KY 197A covers the same range to provide 760 COMM channels. The 28-volt KY 196B takes coverage a step further, meeting the ICAO EUR Region's 8.33-kHz channel spacing requirements, offering a display range of 118.000MHz to 136.990MHz and providing a total of 2,280 channels.

And when it comes to backing this coverage with features, utility is the watchword.

For example, the active frequency is clearly distinguishable from the standby frequency, with both displayed in separate, dedicated windows. This allows you to preselect the standby frequency while you continue to use the active frequency.

Optional remote mounted switches can also be installed on your aircraft's yoke or cyclic to facilitate frequency management. These switches enable you to actuate the flip-flop function or call up any of the unit's nine pilot-programmable memory channels without repositioning your hands.

The total frequency storage capacity is actually 11, including 'USE' and 'STBY.' All three units' memory channels are especially useful for preprogramming the frequencies you use on an everyday basis—ATIS, ground control and tower—or the ones you use on repetitive routes. All 11 frequencies are held in nonvolatile storage, so no batteries or external power are needed.

Other special features include audio leveling, which automatically amplifies weak signals and mutes strong ones to provide a more consistent volume level. The stuck microphone indicator shuts down





## About The KY 196A, KY 196B and KY 197A

**POWER/VOLUME SWITCH** – This knob controls ON/OFF/VOLUME. When you turn it clockwise to the ON position, your unit will display the frequencies last shown in the ‘USE’ and ‘STBY’ (Standby) windows.

**T** – Appearing between the ‘USE’ and ‘STBY’ windows, this symbol indicates your microphone is keyed.

**FREQUENCY SELECTION** – Using the frequency selector knobs, you can select a new frequency in the ‘STBY’ window. The larger knob controls changes in increments of 1 MHz; the smaller knob controls changes in increments of 50 kHz when pushed in and 25 kHz when pulled out. On the KY 196B, the smaller knob tunes in increments of 25kHz when pushed in and 8.33kHz when pulled out.

**TRANSFER BUTTON** – Press this button to activate the new frequency. The newly entered frequency in the ‘STBY’ window flip-flops with the frequency in the ‘USE’ window.

**CHAN (CHANNEL) BUTTON** – This button is used to access the Channel Mode and the Channel Program Mode. In Channel Mode, any of nine preset channels can be brought directly into the ‘STBY’ window using the Frequency Selector Knobs. The Channel Program Mode is used to program up to nine pilot-selected channels.

the transmitter and flashes the display if the mike is keyed for more than two minutes. (This prevents you from inadvertently jamming a frequency and making it unusable for other pilots.) There’s also a ‘Program Secure’ mode that lets you lock a specific frequency into a specific channel number, so the program can’t be changed from the panel.

### Better And Brighter

When it comes to aircraft systems, most pilots have one request: Keep it simple. Why? Because “complicated” means trouble, and that’s the last thing you need. Knowing that, our KY 196A, KY 196B and KY 197A communications transceivers have been updated to help simplify the demands you face in the air.

The new contemporary faceplate, for example, is more than a styling update. It’s a change that helps improve ergonomics, making these units easier to operate. Backlighting of the bezel nomenclature and knobs is now standard, making night use easier than ever. The knobs have been made sturdier, too, giving you a more precise feel.

### Backed By The Best

Like our other panel-mounted avionics, the KY 196A, KY 196B and KY 197A are backed by our comprehensive two-year Bendix/King ‘no-hassle’ warranty. And no matter where you fly, you’ll never be far from one of our 800 authorized service centers worldwide—the most extensive and responsive support network in general aviation.

Combining improved ergonomics, usable features, proven performance and legendary Bendix/King reliability, the Silver Crown Plus KY 196A, KY 196B and KY 197A offer the value and capability you expect from the leader in panel-mounted avionics.

Ask your nearest authorized Sales & Service Center for details on all our Silver Crown Plus systems.

*NOTE: For specific operating information, consult the Silver Crown Plus Pilot’s Guide, our Part Number 006-18110-0000.*

# KY 196A/B and KY 197A Specifications

## TSO Compliance:

<b>Transmitter:</b>	KY 196A- C37c, Class 3 KY 196B- C37c, Class 3, 4 & 5 KY 197A- C37c, Class 4
<b>Receiver:</b>	KY 196A/B & KY 197A- C38c, Class A

## Physical Dimensions:

<b>Height:</b>	1.35 in (3.43 cm)
<b>Width:</b>	6.312 in (16.032 cm)
<b>Depth:</b>	10.776 in (25.847 cm)
<b>Weight:</b>	2.8 lbs (1.27 Kg)

**Temperature Range:** -20°C to +55°C with short time operation at +70°C

**Power Requirements:** KY 196A/B- 28VDC at 1.0A (Receive), 6.0A (Transmit)  
KY 197A- 14VDC at 1.0A (Receive), 6.0A (Transmit)

## Frequency Range:

KY 196A/KY 197A- 118.000 MHz to 136.975 MHz in 25kHz increments  
KY 196B- 118.0000 MHz to 136.9916 MHz in 8.33kHz increments  
(118.000 MHz to 136.990 MHz displayed per DO186a and ED-23B)

**Frequency Stability:** .0015% from -20°C to +55°C

**Power Output:** KY 196A/B- 16 Watts minimum  
KY 197A- 10 Watts minimum

**Sidetone Output:** Adjustable up to 100mW into 500Ω headphones

**Microphone:** Must provide 100mV RMS into 100Ω load

**Duty Cycle:** 1 minute on, 4 minutes off

**Receiver Output:** 100mW minimum into 500Ω

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**Policy Notice:** Avionics installations require special skills, tools and test equipment. Our limited warranty is valid only for equipment installed in accordance with our sales and service policies.

In keeping with our policy of continual product improvement, designs and specifications described here may be altered without notice.



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